

Lesson 7

Collecting & analyzing and graphing data

Collect: you can collect data from a variety of sources , common sources include :

- Books and articles (digital or print)
- Records (such as logs and reports)
- Surveys
- Experiments



Note :

- Scientists and archaeologist can search to solve problems They collect, analyze and graph data .
- It is very important to be certain that the information you are collecting is accurate ,always be sure to use sources that can be trusted

Analyze:

- when you analyze the data you've collected you review your findings, then you interpret what those findings mean .
- You can use the data to find out what happened , what is likely to happen next, and what should be done .
- You may have a lot of data . The best way to interpret a lot of data is to look for trends in the information



Graph

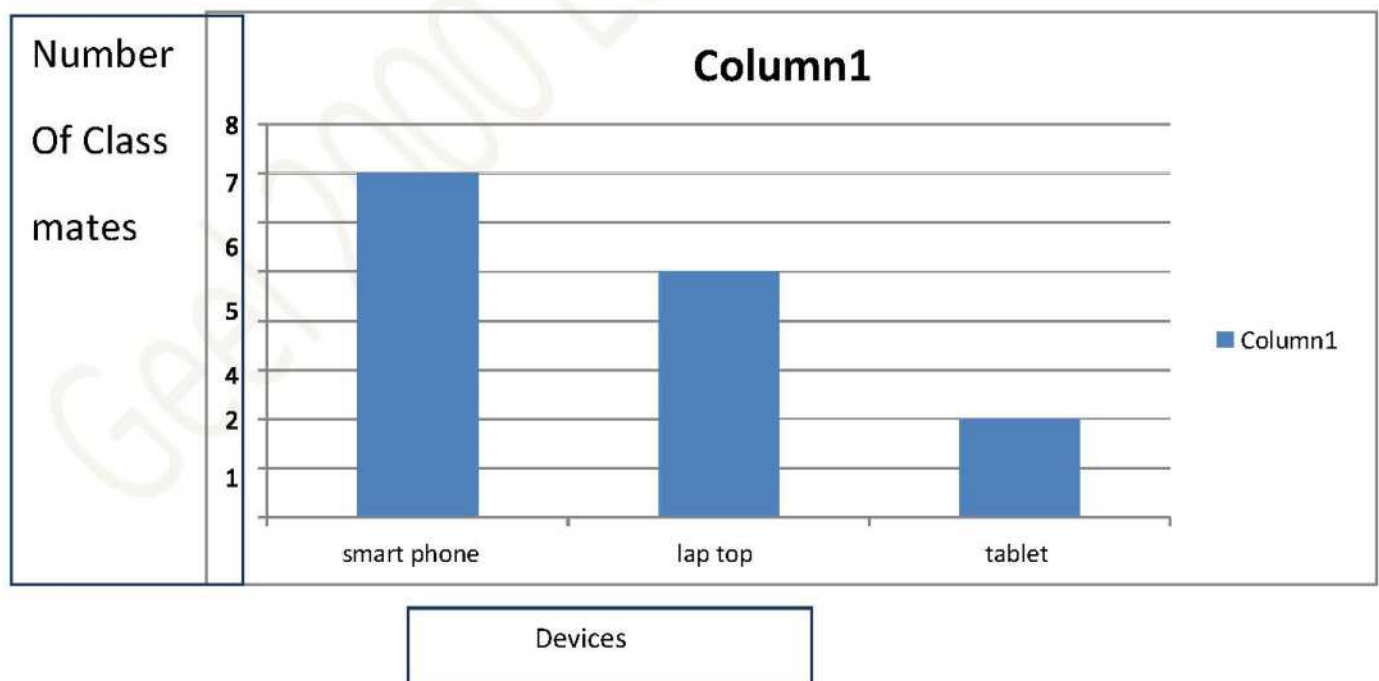
- Once you have analyzed the information you collected, you are ready to graph the information
- A common graph is a bar graph .
- Bar graphs clearly present and compare different categories of information.
- You can draw graph on paper, or make them on computer using software like Excel.



Example:

Nesma interviewed her classmates about what their favorite devices were . In total, she interviewed 14 classmates. She collected their answers and sorted them into groups. This is the information she analyzed:

- Seven classmates said their favorite device was a smart phone.
- Five students said their favorite device was a laptop .
- Two students said their favorite device was tablet. After Nesma analyzed the information , she graphed it :



Exercise

Q1: Put (✓) or (✗):

- 1-Books and magazines are sources of data collection. ()
- 2-You can collect data from many different sources. ()
- 3-Researchers always have to use published articles to report their information.()
- 4-Surveys and experiments are one of the most important sources of data collection. ()

Q2: Choose the correct answer from the following options:

- 1-Scientists and archaeologists can to solve problems.
a-write b- search c-read
- 2-The best way to interpret a lot of Data is to look for
a-Trends b- whats App c- Facebook
- 3-When you analyze the data you've collected, you review your
a-data b- findings c- information
- 4-The best program for analyzing data is
a-MS. Word b- MS. Excel c- MS. PowerPoint
- 5-The students do a.....inside the class to collect Data about their favorite technology tool.
a-survey b- experiments c-interviews
- 6- is an easy way to express survey results.
a- Experiments b-Books c- Graph

Q3:Choose the correct answer

(Data collection – data sources – Bar graph – paper – excel)

- 1- The most common graph is
- 2- From.....books and references.
- 3- You can draw graphs on
- 4- One of the most popular application for using graphs
- 5- In..... you must ensure that the information is correct.

Lesson 8

Reporting findings

Research report the information they gather in many different ways.

To make reports about your results: Use:

- Digital articles
- Social media
- Email
- Interview
- Video calls
- Digital blogging
- TV shows



Archeologists make reports about their information using the:

- 1- Interview
- 2- TV shows
- 3- Social media



Tools for preparing reports and results :

1- Digital blogs

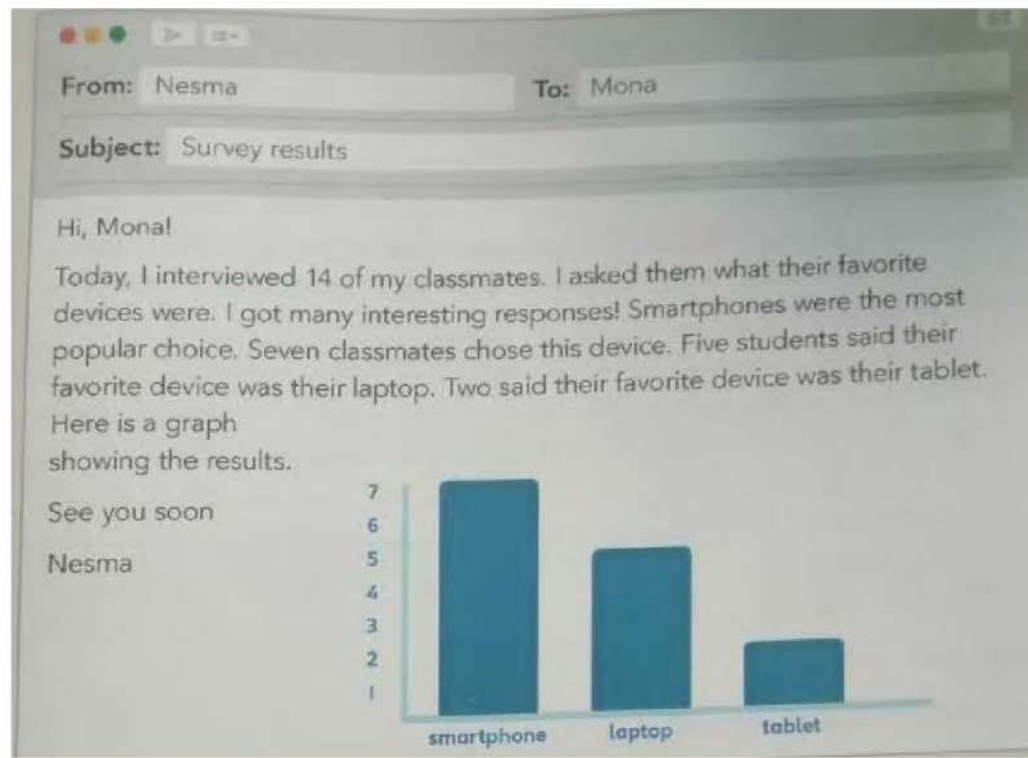
They are electronic memos, is one of the typed of websites.

2- E-mail:

- Writing , sending and receiving electronic messages through electronic communication systems (YAHOO – HOTMAIL –GMAIL ETC).
- A common way to report data is through email. You can write a short report in an email and attach files related to it.

Example:

Send email to your friend to tell him about the data you gathered and send the graph to him.



Exercise

Q1: Choose the correct answer from the following options:

- 1- is used to express your personal opinions on the internet.
a-Digital blog b- E-mail c-GPS
- 2- Before you show your results on charts, you should
a - Share it online with others. b-Analyze them c-Remove them.

Q2: Choose the correct answer

(E-mail – text messages – digital blogs – communication – digital published articles)

- 1-The use of modern means of communication, especially different social
- 2-..... is a method of writing , sending and receiving electronic messages.
- 3-Type by using a mobile phone keyboard.
- 4-..... they are electronic notes or websites that displays information .
- 5-The authors of these works do not get paid..... .

Lesson 1

Explorer in Action

The internet can give us access to information on all kinds of information , scientists and researchers have been able to learn everything about particular topics, such as what happened with the biologist “Ms.Ullah” in exploring what she didn’t know before.

Online search steps :

- 1- Select the information to be search .
- 2- Think about good search terms (keyword).
- 3- Check the information and result reached.
- 4- Review the information and reach its validity and credibility .
- 5- Write down the sources of the information reached.



Q programming

ترجم هذه الصفحة ▾ Comp... < wiki < <https://en.wikipedia.org>

Computer programming - Wikipedia

Programming involves tasks such as analysis, generating algorithms, profiling algorithms' accuracy and resource consumption, and the implementation of ...

[Debugging](#) · [Profiling \(computer\)](#) · [Executable](#) · [Programming tool](#)

ترجم هذه الصفحة ▾ comp... < <https://www.khanacademy.org>

Computer programming - Khan Academy

Learn how to program drawings, animations, and games using JavaScript & ProcessingJS, or learn how to create webpages with HTML & CSS.

ترجم هذه الصفحة ▾ Int... < course < <https://www.udacity.com>

Introduction to Programming Online Course - Udacity

Learn the basics of **programming** through HTML, CSS, Python, and JavaScript. Get extensive practice with hands-on exercises and projects that demonstrate your ...

ترجم هذه الصفحة ▾ what-is-progra... < blog < <https://hackr.io>

What is Programming? [Beginner's Guide] - Hackr.io

A programming language provides a way for a programmer to express a — ٧٠٢٢/٠٢/٢٠

There are some problems we face while searching for information, including :

- 1- Not verifying the credibility of the information and reaching in correct information .
- 2- Do not access the correct keywords to search.
- 3- Frequent and conflicting information about the same search area.

Exercise

Q1: Put (✓) or (×):

- 1-Internet web is not important for obtaining information. ()
- 2-E-mail is used to share data and communication among friends. ()
- 3-Internet helps us in finding the information we want. ()
- 4-One of dangers of the internet is that others can use your personal data. ()

Q2: Choose the correct answer from the following options:

- 1- Personal information and opinions that express their owner which are available for reading and downloading in various sites are -----
 - a- Published articles
 - b- E-mails
 - c- Text messages

Q3: Rearrange the sentences below:

- () Cross check facts by trying to find them in more than one place.
- () Decide what information you want to find out.
- () Look carefully at the information that you have found.
- () Tell the reader where the information came from.
- () Think about the search terms or key words you will use.

Lesson 2

Online dangers and how to be safe

Communication online :

- There are many ways to communicate online such as computer , phone , tablet



- People may use instant messaging , email, direct message



 But be careful some people communicate online to be unkind or to steal personal information .

- Be sure you know who you are chatting with .
- Always be kind and honest when communicating with other .
- If someone is unkind or makes you feel unsafe , you can make block

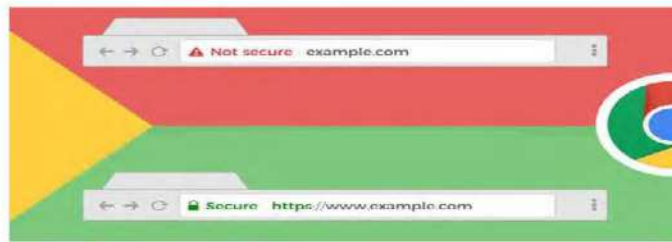


Block means: the person can't see your post or contact you.

Personal information: include your address, your name and the name of your school

Unsafe website:

- Don't click on links that you are unsure of.
- If you accidentally view an unsafe or inappropriate site . leave the site and tell your teacher or family member who can help you feel safe.



Sharing data online :

- Don't share personal data without asking your teacher and family member if it is ok .
- If you share your personal data online . you may receive spam message.

Spam:

- mail includes , unwanted messages to advertise products or gather more information from you. The message may also include viruses.
- If an email includes an unfamiliar address , un know links , or message in ALL CAPITAL LETTERS , its might be spam

- make sure that only your friend and family can view your information on social media
- Think before you post something about yourself especially a photo or video .

Downloading files:

- be carefully before you download files . some files have viruses.

Viruses can damage your computer or be used to track your information .

Check the website before you download a file . is it a trusted ? if you are not sure , you shouldn't download files from it .

- when you are using the internet , you might want to download a file.
- This saves it to your computer so that you can look at it later, without being connected to the internet.



Exercise

Q1: Choose the correct answer from the following options:

- 1- Messages calling for unreal advertisements on your email are-----
a- download files b- spam c- personal data
- 2- Your friend sent you a friend request on a social networking site, you must...
a- close the device b- delete the friend request c- check his identity
- 3- includes your name, address and your date of birth.
a- Personal data b- Spam c- Download
- 4- Your friend sent you a file and you want to save it on your device, you should..
a- Download the file. b- Block c- Scanner
- 5- You shouldn't communicate with..... on social media sites.
a- Your school friend. b- a friend of you
c- Unknown person wants to share your information.
- 6- When someone mistreats you on the internet, you should
a. Block him and tell one of your family members.
b. Send him a bad message.
c. Send a bad message to your friends.

Q2: Put (✓) or (✗):

1. Block is considered one of the ways to communicate with your colleagues or friends on the internet. ()
2. You can download files on your device without an internet service. ()
3. When someone is blocked, they can see your posts. ()
4. E-mail is considered personal information. ()

Q3. Complete the sentences, use the words from the box:

Block	download	instant message	personal information	spam
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- 1- An email from an unknown address that includes advertisements is likely to be
- 2- When you a file, you save it to your device.
- 3- If you someone, they will no longer be able to contact you or view your account.
- 4- Think carefully before you share address or other Online.
- 5- You can use to communicate with friends.

Lesson 3


Using ICT tools in a healthy and ethical way

Posting online :

- When you tag someone on social media , make sure to ask them permission first .
- It shows that you respect their privacy .
- You identify that person in post , photo , or video .
- Anyone who has access to your account can see it .
- The tag provides a link to person's profile .
- Before you post something ask yourself

Crediting others:

- When you are looking for information to post online , or to include in power point presentation , it's important to credit sources that provide you with information that you share with others .

 When you **credit** a source of information , you let others know where the information you are sharing came from.

Respecting the law :

- when you are posting online or researching topics
 - 1- Be sure to respect the law
 - 2- Don't go on banned sites . Banned sites may publish inaccurate and harmful material .
 - 3- Ask your teacher or a family member before you go on new site

Remember: To use ICT tools wisely and ethically .Know when to put your device down .Stay active ,social and be responsible .

The positive and negative effects of ICT tools:

<u>Positive effects</u>	<u>Negative effects</u>
<ul style="list-style-type: none"> • ICT tools have become a wonderful part of everyday life . • You can read the news with just a click of the mouse. • You can upload and download videos and photos and view them whenever you want. 	<ul style="list-style-type: none"> • You may come across something online that upsets you . • You can get eye strain or headaches from using your devices too long • Some people may rely on searching on Google to answer all their question even though it doesn't always give the right answer
<ul style="list-style-type: none"> • You can communicate with friends and family anywhere in the world. 	

Exercise

Q1: Put (✓) or (x):

- 1- To respect the law go on banned sites ()
- 2- You can read the news with just a click of the mouse from positive effects of ICT tools ()
- 3- It's no harm getting your friend's information without his permission. ()

Q2: Choose the correct answer from the following options:

- 1-One of ethical behavior is to.....a source.
a-ignore b-credit c- mention
- 2-It's a software, which you can use to create presentations.
a-Windows b- MS Word c- PowerPoint
- 3-This type of sites can may publish inaccurate and harmful material.
a- Trusted sites b- Scientific sites c- Banned sites
- 4-When you tag someone, the tag provides a to the person's profile.
a- link b- message c-request
- 5- From the advantages of ICT tools
a-Bullying your friends
b- Helping people of determination
c- Excess usage of electronic devices.

Lesson 4

How to search online

Searching safely :

- Take advantage of the benefits of browser security features.
- Choose browsers that warn users when they're about to enter an unsafe site or download a harmful app.
- Some popular browsers have search engines set up just for children, they will only show result that are age appropriate ,may also include a parental control app and helpful safety tips for children .
- Pay attention to unsafe video content , and make sure you see the right content.
- Be sure to show your teacher or family member.

Searching smartly:

- Type longer phrases, not just a couple of words.



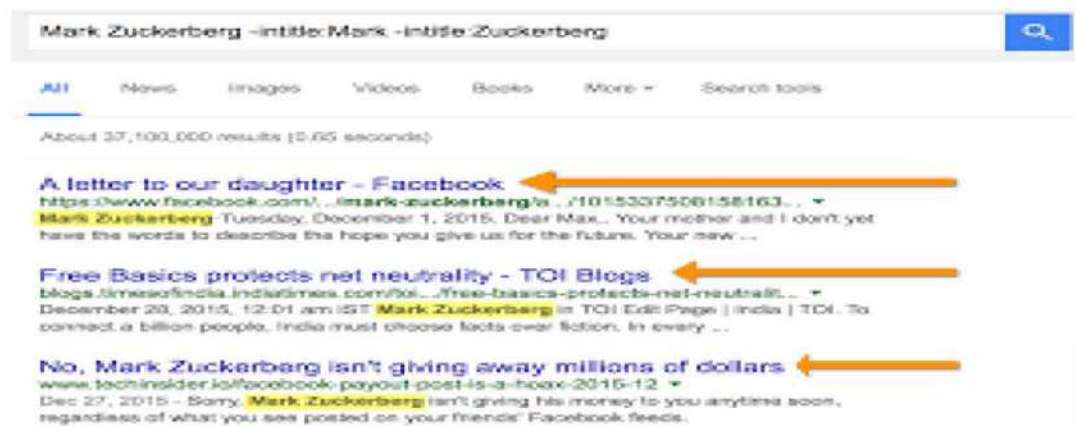
- Distant from common and general keywords
- Adding photo to you browser if you search for specific information .

Google
Images

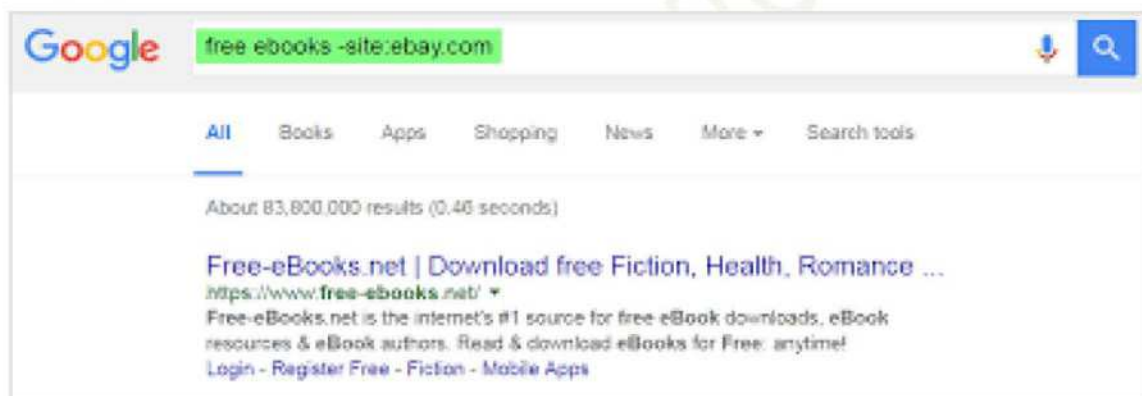


Click the camera
icon to get started

- Distance from the letters of kindness and definition to ignore browsers and use symbols such



- Sign (-) → for unwanted or unnecessary result



- Sign ("") → for customize the search and limit the result .

- Browser** : is an application or program used for web search.
- The search engine** : application or program used to access information on the internet .
- The result** : a list of result collected and presented based on a search process.

Exercise

Q1: Put (✓) or (x):

1. Choosing search words helps us get the required search results. ()
2. The quotation mark "" is used to summarize the search results that you want. ()
3. You must ask permission before posting any information related to your friends. ()

Q2: Complete the sentences, use the words

(Browser - search engine - results)

- 1- a software application that carries out web searches (.....)
- 2- a software application that is used for accessing information on the internet (.....)
- 3- a list that is compiled based on a search. (.....)

Q3: Complete the sentences, use the words

(+ / - / " ")

- 1-To include the words like the, and, how, where in your search write ... before the word
- 2-To ignore results with some keywords write Before words you would like the search engine to avoid.
- 3-(.....) Help to narrow your search to the exact wording.

Q4: Choose the correct answer from the following options:

- 1-If you are looking for a specific sentence, put this sentence
 - a- within quotation marks " "
 - b- before the symbol (-)
 - c- within brackets ()
- 2-Safe search methods on the internet are many, including
 - a- use of blocked sites
 - b- use of search engines dedicated to children
 - c- use of short words

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CHOOSE THE CORRECT ANSWER

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- 5 The responsible for Blogging is
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- 13 A way to report information through talk show, this way is called
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- 14 Anika Ullah find that eating too many of these nuts cause
 (a) diabetes (b) diarrhea (c) cancer
- 15 is the most famous search engine that used all over the world .
 (a) Facebook (b) Windows (c) Google
- 16 You must so, you can get trusted information
 (a) check online resources (b) check the connection (c) use social media sites
- 17 One of the problems that may face you during using the internet is that
 (a) you can't get all kind of information's (b) Some information is inaccurate (c) All information expresses opinions
- 18 is a mean of exchanging message between team work.
 (a) Blog (b) E-mails (c) Text messages
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- 20 is a way to report information by a face-to-face conversation.
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- 21 Online communication requires all the following devices except ..
 (a) Computer (b) TV (c) tablet
- 22 are used to communicate with audio and image.
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- 23 includes your name, address and your date of birth
 (a) spam message (b) personal information (c) instant message
- 24 The first step on solving any problem is data.
 (a) graphing (b) collecting (c) analyzing
- 25 Messages calling for unreal advertisements on your email are
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- 26 Inside Science lab we make a lot of With our teacher to collect Data.
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- 27 If you accidentally view inappropriate site what should you do?
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- 28 You can use Whether it is printed or digital to collect Data.
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 (a) close the device (b) delete the message (c) check his identity
- 30 The best way to interpret a lot of Data is to look for
 (a) records (b) surveys (c) trends
- 31 Samira went to her friend's birthday party; she took a lot of photos what should she do?
 (a) Share all photos on face book. (b) Tagged all her friends in a post (c) Take a permission from her friends to share
- 32 When you analyze the data you've collected, you review your
 (a) data (b) information (c) finding
- 33 One of the ethical behaviors in using ICT tools is to a source.
 (a) credit (b) ignore (c) edit
- 34 Amira search for information how penguin stand on the ice all the day?
 (a) penguin – ice – stand - day (b) How penguin stand on the ice all the day? (c) "How penguin stand on the ice all the day?"
- 35 One of the ethical behaviors in using ICT tools is you can get
 (a) headache (b) updated news (c) wrong answer
- 36 If You get a message from a stranger on your social media account includes a video to watch, what should you do?
 (a) Download the video to watch later (b) Delete and ignore the message (c) Send him friend request
- 37 What will you do if you receive a warning message during searching online?
 (a) I will proceed the site (b) I will tell my teacher (c) I will stop using the internet
- 38 People may use to communicate together .
 (a) spam messages (b) instant messages (c) personal information
- 39 Child-friendly website may include to avoid seeing inappropriate video.
 (a) antivirus (b) personal data (c) filter
- 40 The scientific reports that written by experts contain Information
 (a) Wrong (b) accurate (c) not real
- 41 If you interested to know where jaguar lives, type in search engine.
 (a) Jaguar - Habitat (b) Jaguar + Habitat + car (c) Jaguar + Animal +Habitat



- 42 is a communication among peoples using SMS online.
 (a) Video chat (b) social media (c) Text message
- 43 To search for the summer fruit avoiding the peach, you must type in the search engine.
 (a) summer fruit + peaches (b) summer fruit except peaches (c) summer fruit - peaches
- 44 One of the attached devices that you use during video calls is the
 (a) printer (b) scanner (c) camera
- 45 Scientists and archaeologists can to solve problems
 (a) search (b) write (c) read
- 46 The best way to collect information is getting it from
 (a) Facebook (b) Books (c) What's App
- 47 Before you show your results on charts, you should
 (a) Share it online with others (b) analyze them (c) remove them
- 48 Personal information and opinions that express their owner which are available for reading and downloading in various sites are
 (a) Published articles (b) E-mails (c) Text messages
- 49 You can find the answer for any question quickly by using
 (a) Search box near start button (b) Search engine online (c) Search engine offline
- 50 If an email includes, this message might be a spam or include viruses .
 (a) familiar address (b) capital letters (c) known links
- 51 is a software which you can use to create a presentations.
 (a) MS Word (b) Power Point (c) Windows
- 52 Spending a lot of time using technology makes you feel
 (a) happy (b) lazy (c) active
- 53 is the best software that can be used to analyze data.
 (a) MS Word (b) MS Excel (c) MS PowerPoint
- 54 The students can do a inside the class to collect data about their favourite technology tool .
 (a) Survey (b) interviews (c) experiments
- 55 graph is the most common graph to present information's.
 (a) Bar (b) Pie (c) Line

انتهت الأسئلة مع أطيب الأمنيات بالنجاح والتوفيق



بنك الأسئلة

الصف
الرابع
الابتدائي
٢٠٢٣

التميز

أ/ محمود سعيد

MODEL ANSWERS
ICT

على مقررات شهر نوفمبر

اعداد

أ. محمود سعيد

الصف
الرابع



El.Motamyez.School

يمكنكم الحصول على المذكرات والاختبارات من خلال مسح رمز ال QR Code
أو من خلال صفحة "التميز - أ/ محمود سعيد".
يرجى مراعاة حقوق صاحب المحتوى عند النشر.

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NOVEMBER REVISION

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- 39 Child-friendly website may include to avoid seeing inappropriate video.
 (a) antivirus (b) personal data (c) filter
- 40 The scientific reports that written by experts contain Information
 (a) Wrong (b) accurate (c) not real
- 41 If you interested to know where jaguar lives, type in search engine.
 (a) Jaguar - Habitat (b) Jaguar + Habitat + car (c) Jaguar + Animal +Habitat



- 42 is a communication among peoples using SMS online.
 (a) Video chat (b) social media (c) **Text message**
- 43 To search for the summer fruit avoiding the peach, you must type in the search engine.
 (a) summer fruit + peaches (b) summer fruit except peaches (c) **summer fruit - peaches**
- 44 One of the attached devices that you use during video calls is the
 (a) printer (b) scanner (c) **camera**
- 45 Scientists and archaeologists can to solve problems
 (a) **search** (b) write (c) read
- 46 The best way to collect information is getting it from
 (a) Facebook (b) **Books** (c) What's App
- 47 Before you show your results on charts, you should
 (a) Share it online with others (b) **analyze them** (c) remove them
- 48 Personal information and opinions that express their owner which are available for reading and downloading in various sites are
 (a) **Published articles** (b) E-mails (c) Text messages
- 49 You can find the answer for any question quickly by using
 (a) Search box near start button (b) **Search engine online** (c) Search engine offline
- 50 If an email includes, this message might be a spam or include viruses .
 (a) familiar address (b) **capital letters** (c) known links
- 51 is a software which you can use to create a presentations.
 (a) MS Word (b) **Power Point** (c) Windows
- 52 Spending a lot of time using technology makes you feel
 (a) happy (b) **lazy** (c) active
- 53 is the best software that can be used to analyze data.
 (a) MS Word (b) **MS Excel** (c) MS PowerPoint
- 54 The students can do a inside the class to collect data about their favourite technology tool .
 (a) **Survey** (b) interviews (c) experiments
- 55 graph is the most common graph to present information's.
 (a) **Bar** (b) Pie (c) Line

انتهت الأسئلة مع أطيب الأمنيات بالنجاح والتوفيق



Lesson 7: Collecting, analyzing and graphing data

2-Complete:-

1-.....it is considered one of the digital sources for data collection

2-The last stage after analyzing the data is

3-The graph is the most used as it displays different categories of information

4- Non –numerical sources that are relied upon to collect data, are.....

5-The objective of the data analysis process is to be more accurate to obtain.....

Lesson 8: Reporting Findings

1-Complete the following statements:-

- 1-Through which information is presented and guests who specialize in a particular topic are interviewed, which is.....
- 2-It is considered as a diary or a page to share personal opinions, and one individual is responsible for it, which is.....
- 3-It is.....the means that helps to share different opinions, and helps to exchange information
- 4-A way of communicating through different places by sound and image, is

2-Put (√) or (×):-

- 1-All information in social media is considered reliable ()
- 2-The owner of the blog is the only person responsible for the information inside it ()
- 3-An email can be sent without the addressee ()
- 4-Text messages are quick solutions to deliver quick information ()
- 5-The graph is a clear way to display comparisons between the different results ()

Lesson 1: Explorer in action

1-Put (✓) or (×):-

- 1-All websites on the internet are trusted ()
- 2-Choosing accurate words help us to search accurately on the internet ()
- 3-One source of information is sufficient to from ()

1-Complete the following statements:-

- 1-The internet is important because it helps in getting.....
- 2-One of the problems of searching on the internet
.....access to the source of information on some websites
- 3-friend can use.....as a way to communicate between them.

Lesson 2: online dangers and how to be safe

1-choose the correct answer from the following option:-

1-your friend sent you an email with a file attached. You must

A-Open the message and download the file b-clear the message

C-Contact and confirm if he is the one who sent it

D-Blocking the author of the message

2-you made presentation using information from a well – known site, you must

A-Put the source of the information into the presentation

B-Submitting the offer without mentioning the source

C-Not to use information other than your own

D-Taking information from unreliable sources

3-.....is considered personal information

A-Nick name

b-Video

c-Age

d-Address

4-Clicking on unknown links causes.....

A-There is important information b-Nothing

C-Viruses downloaded to your device by mistake d-Device shutdown

Lesson 3: Using ICT tools in a healthy and ethical way

1-Put (✓) or (×):-

1-A colleague of yours using information from an article in his project and documenting the source is correct ()

2-Some of the banned websites are characterized by publishing accurate information and ethical and useful materials ()

3-One of the advantages of ICT is that it helps people of determination ()

4-Technology means may be harmful in terms of transmitting false information ()

5-The sites on the internet are more trustworthy, on matter what or the internet search is characterized by the speed in finding the information ()

2-choose the correct answer from the following option:-

1-The content of the information published on the internet must be:

A-Harmful b-Vague c-reliable d-completely new

2-Spending a lot of time using technology leads to.....

A-Happiness b-laziness c-activity d-rest

Lesson 4: How to search online

1-Put (✓) or (×):-

- 1-To get the best results when searching, only two or three words can suffice ()
- 2-you can use the image instead of the words in the search process ()
- 3-we can avoid unwanted results by using the (+) symbol ()
- 4-you can add the (+) symbol before the word you want to include in your search results ()
- 5-Use the (+) sign to get fewer and more accurate search results ()

2-choose the correct answer from the following option:-

1-If you are looking for a specific sentence, put this sentence

- | | |
|-----------------------------|-------------------------|
| A-within quotation marks "" | b-before the symbol (-) |
| c-within brackets () | d-after the (+) symbol |

2-The code that ensures that the search includes the words or letters you want in your search is

- | | | | |
|--------|--------|-------|-----------|
| A- (+) | b- " " | c-(-) | d-() |
|--------|--------|-------|-----------|

3-Users rely on searching through the internet

- | | |
|--|------------|
| A-Search engines dedicated to children | |
| B-Website rendering software | |
| C- Word processing program | d-Browsers |

Lesson7

Q1.Choose

1. Scientists and archaeologists can To solve problems.
(**Read - write – search – ask**)
2. The best way to interpret a lot of Data is to look for
(**Face book - YouTube – Whats App – trends**)
3.is a digital tool that can be used to organize Data.
(**MS PowerPoint – MS Excel – Windows – MS Word**)
4. When you analyze the data you've collected, you review your
(**Data – Findings – information – analyze**)
5. Once you have analyzed the information you have collected, you're ready to graph the
(**Data – Findings – information – analyze**)
6. The best program for analyzing data is
(**MS PowerPoint – MS Excel – Windows – MS Word**)
7. You can use it printed or digital to collect Data.
(**Survey – experiments – books – interviews**)
8. The students do a inside the class to collect Data about their favorite technology tool.
(**Survey – experiments – books – interviews**)
9. Inside Since lab we make a lot of With our teacher to collect Data.
(**Survey – experiments – books – interviews**)
- 10.The most common graph is to graph information.
(**Line – Bar – column – Pie**)
- 11.....is an easy way to express survey results.
(**Survey – experiments – books – graph**)

Lesson8

Q1.Choose

1. A common way to report Data is through
(**Blog / Email / TV programs / Social Media**)
2. Is an online website where a writer or a group of writers share their views on an individual subject
(**Blog / interviews / TV programs / Social Media**)
3. A blogger is someone who runs and controls a
(**Interviews / TV programs / Blog / Social Media**)
4. Away to report information, it's a face-to-face conversation called
(**Blog / interviews / TV programs / Social Media**)
5. Away to report information by writing posts and comments through
(**Blog / interviews / TV programs / Social Media**)
6. Away to report information through talk show, this way called
(**Blog / interviews / TV programs / Social Media**)
7. It's a reliable source of information.
(**Google / EKB / Blog/ Social Media**)

Q2.Think and Answer (short answer questions)

1. Mention two communication tools that you can use to communicate with your teacher and students?
.....
Whats App group
.....
2. What is the last stage after analyzing Data?
Draw graph
.....
3. What is the importance of communicating through electronic means with other?
Speed / easy
.....
4. What is the best way to interpret a lot of DATA?
Trends
.....
5. Write three ways that researchers use to report Data?
Social media / TV programs / interview
.....
6. What is one reason a blog may not be a reliable source?
It expresses personal opinion
.....

Theme2

Lesson1

Q1.Rearrange the sentences below:

- (**3**) Cross check facts by trying to find them in more than one place.
- (**1**) Decide what information you want to find out.
- (**4**) Look carefully at the information that you have found.
- (**5**) Tell the reader where the information came from.
- (**2**) Think about the search terms or key words you will use.

Q2.Think and Answer (short answer questions)

1. What is the basic problem with finding out information?

Not all information is correct

2. Why might it be easier to find information about some areas of research than others?

Resources available / weak keyword

3. List three sources researches can use to do research?

Blog / digital books / survey

Lesson2

Q1.Complete the sentences, use the words from the box

Block	download	instant message	personal information	spam
--------------	-----------------	------------------------	-----------------------------	-------------

1. An email from an unknown address that includes advertisements is likely to be **Spam**.....
2. When you **download**..... a file, you save it to your device.
3. If you **block**..... someone, they will no longer be able to contact you or view your account.
4. Think carefully before you share address or other **Personal information** Online.
5. You can use ...**Instant message**.. to communicate with friends.

Q2.Choose

1. You get a message from a stranger on your social media account sending you a video to watch what should you do?
 - a. Down load the video to watch later.
 - b. Write a replay and say you can't wait to watch it.
 - c. Delete and ignore the message.
 - d. Send him friend request.

2. A friend sends you a strange picture that scares you what should you do?
 - a. Send the picture to all your friends.
 - b. Copy the picture to your computer.
 - c. Tell a parent.
 - d. Send a message back with an even scarier picture.

3. If you accidentally view unsafe or inappropriate site what should you do?
 - a. Leave the site and tell your parent.
 - b. Be panic.
 - c. Keep the site opened.
 - d. Stop using technology.

4. When yousomeone, that person can't see your posts or contact you.
 - a. block
 - b. spam
 - c. download
 - d. share

5. mail includes unwanted messages.
 - a. block
 - b. spam
 - c. download
 - d. share

6. When you are using the internet, you might want to a file to your Pc.
 - a. block
 - b. spam
 - c. download
 - d. share

7. If you have a message from someone who is bullying you
 - a. block
 - b. spam
 - c. download
 - d. share

Q3.Think and Answer (short answer questions)

1. What do computer viruses do to a device and to the information on the device?

Destroy your files / stole information-----

2. What should you do before tagging a friend in a photo or post?

Take permission-----

3. What is an example of online bullying?

Threatening message-----

Lesson3

Q1.Choose

1. Nadia went to her friend's birthday party, she took a lot of photos what should she do?

- a. Share all photos on face book.
- b. Tagged all her friends in a post.
- c. Take a permission from her friends to share.
- d. Select the funniest ones and share.

2. One of ethical behavior is to a source.

- a. ignore
- b. credit
- c. mention
- d. edit

3. When you tag someone, the tag provides a To the person's profile.

- a. link
- b. message
- c. request
- d. picture

4. It's a software which you can use to create presentations.

- a. Windows
- b. MS Word
- c. PowerPoint
- d. google.

5. This type of sites can may publish inaccurate and harmful material.

a. **Trusted sites**

b. **Scientific sites**

c. **Banned sites**

d. **Communication site**

Q2.What are the pros and Cons of ICT tools in everyday life?

Pros of using ICT tools	Cons of using ICT tools
<ul style="list-style-type: none">-Reading news.-Upload and download videos and photos.-Sharing videos and photos anywhere.-Communicate with family and friends anywhere in the world	<ul style="list-style-type: none">-Come across upset subject-Get eye strain or headaches from-using your device too long time.- un correct information

☞ Good luck ☜

November Exam

4th grade

Choose the correct answer from the following:

- 1 – The most common sources of data collection include
A) Records, reports B) polls C) **Both of them**
- 2 – Books and articles are sources of information collection in its form.
A) Digital B) paper C) **Both of them**
- 3 – The last stage after analyzing the data.
A) Data collection B) Data review C) **Data presentation**
- 4 –Graph is the most used as it displays different categories of information.
A) **Bar** B) Horizontal C) Circular
- 5 – Responsible for blogs.
A) **One person** B) two people C) a group of people
- 6 – Through which information is presented and guests who specialize in a specific topic are interviewed.
A) **Interviews** B) Video chats C) Blogs
- 7 – is considered the means that helps to share different opinions and exchange information.
A) **social media sites** B) TV programs C) video chats.
- 8 – A way to communicate through different places with sound and video is
A) social media sites B) TV programs C) **video chats.**
- 9 – To conduct a search for a specific topic on the Internet, you must first
A) **Select the information you want**
B) Review the sources of information
C) Type the name of the information source
- 10 – When someone, that person cannot see your posts or contact you.
A) Post B) **Block** C) Message
- 11 – may contain viruses or advertisements for a specific product, which are undesirable.
A) Instant text messages B) **Spam** C) Downloads
- 12 – When you click on unknown links, unsafe websites may appear to you, so you should
A) leave the site
B) tell your teacher or family member
C) **Both of them**
- 13 – is not considered one of personal information.
A) Adress B) **Nickname** C) Your school name
- 14 – When you to someone, it means identifying that person in a post or photo.
Reference
A) **TAG** B) Mention the source C) Respect the law
- 15 Advantages of using information and communication technology.
A) **Helping people with special needs to carry out their duties.**
B) Spending a lot of time without movement and laziness.
C) Total reliance on search sites to search for answers.



ICT

Lesson 7

Collecting, analyzing and graphing data





أهم الكلمات والمصطلحات

Analyze Data	تحليل البيانات	Graph	رسم بياني
Collecting Data	تجميع البيانات	Experiments.	تجارب
solve problem	يحل مشكلة	Surveys -polls	استطلاع رأي
reliable	موثوق فيه	Review Data	مراجعة البيانات



Collecting, analyzing and graphing data



Scientists and archeologists search to solve problems, they **collect**, **analyze** and **graph** data.



1- Collect data



You can collect data from a variety of sources, such as:

- 1- Books and Articles (Digital or print)
- 2- Records (Such as logs and reports)
- 3- Surveys or polls
- 4- Experiments.

NOTE: 💡 Be sure that the **information** you are collecting is **accurate**.

💡 Be sure to use **sources** that can be **trusted**.





2- Analyze data



1. **Review** your findings.
2. **interpret** what those findings mean.
3. use the data to find out what happened, why it happened, what is likely to happen next, and what should be done.

NOTE:



The best way to interpret a lot of data is to:
look for trends in the information.





3- Graph data



1. A common graph is a **bar (columns) graph**.

Bar graph: present and compare different categories of information.

2. You can draw graphs **on paper** or **on a computer** using **Excel** program (spreadsheet)

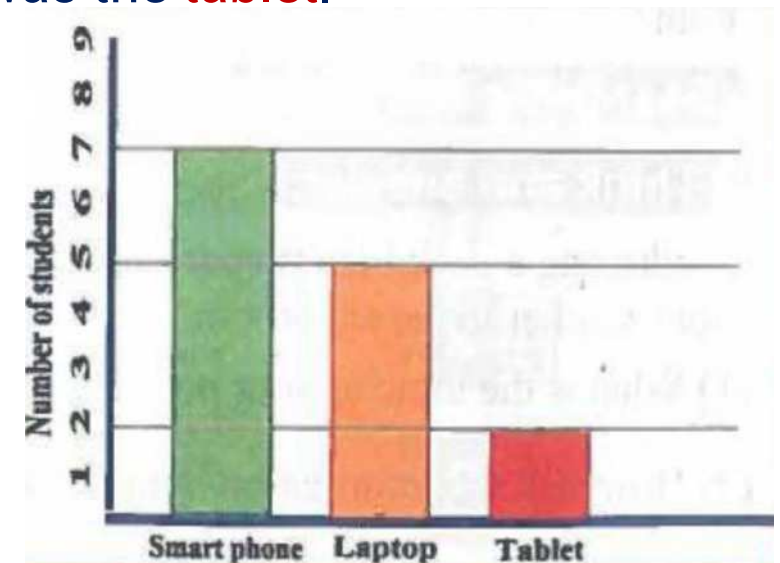




Example

1. Nesma asked 14 of her classmates about their favorite devices.
2. This is the information that she analyzed:
3. **Seven** of her colleagues answered that their favorite device is a smartphone.
4. **Five** of her colleagues answered that their favorite device was a laptop.
5. **Two** of her colleagues answered that their favorite device was the **tablet**.

Favorite device	Number of students
Smartphone	7
Laptop	5
Tablet	2



Exercises



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Choose the correct answer.

- 1 The first step of solving any problem is data
[A] Collecting [B] analyzing [C] graphing
- 2 The best way to interpret a lot of data is to look for
[A] records [B] survey [C] trends
- 3 The most popular graph is a graph, it shows different categories and compare them.
[A] horizontal [B] bar [C] horizontal and vertical



Put (T) or (F)

- 1 The next step for analyzing the information obtained is to express it in a graph. ()
- 2 You can't make graphs on paper, just with spreadsheet software (Excel) ()
- 3 Surveys and experiments are one of the most important sources of data collection ()



ICT

Lesson 8

Reporting Findings





أهم الكلمات والمصطلحات

Researchers	باحثين	Results	نتائج
Gather = collect	يجمع	blogs	مدونات
Published articles	مقالات منشورة	interview	مقابلة شخصية



Reporting Findings

💡 Researchers **report the information** they gather in many different ways.

💡 Below are some ways archaeologists report their information:

1 Blogs	<ul style="list-style-type: none">Sites that display personal notes and opinions.Only one person is responsible it
2 Published articles	They may contain texts. Images and info graphs that contain information and express the opinion of the author. (digital or papers)
3 Social media sites	Allows communication with people electronically and sharing text , photos and videos. <i>EX: Facebook – twitter- Instagram</i>



Reporting Findings



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4 TV programs	present information and opinions in the form of TV shows
5 Interviews	A structured face to face conversation between people to share information.
6 E-mails	The most common way to report data. You can send a short report and attach a file with it.
7 Text message	People can communicate using SMS via internet
8 Video chat	<ul style="list-style-type: none">• People can communicate using Videos through applications as Messenger, WhatsApp, Skype.• You need a camera & microphone to communicate

Exercises



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Choose the correct answer.

- ❶ Contain personal opinion and controlled by one person (Blogs – TV-show – articles – E-mail)
- ❷ Information ready for share and it comes in paper or digital (Blogs –Articles– Books– Interview)
- ❸ Face-to-face meeting to share ideas and experience (TV-show – Blogs – Interview–Video call)
- ❹ Formal way to communicate among work area (Text message – E-mail – Blogs Interview)



Put (T) or (F)

- ❶ Television programs are visual communication (audio and image) over the Internet using a webcam. ()
- ❷ E-mail service is the sending and receiving of short messages written using a mobile phone ()
- ❸ The most common way to report data is by sending emails ()
- ❹ Some digital articles contain text only, and some contain multimedia as images and infographics. ()



Lesson 1

Explorer in action





أهم الكلمات والمصطلحات

global network	شبكة عالمية	easily	بسهولة
collect information	يجمع معلومات	quickly	بسرعة
researches	أبحاث	Keywords	كلمات مفتاحية (نبحث بها علي النت)
search engine	محرك بحث (مثل جوجل)	correct	صحيحة
check information	نفحص المعلومات	accurate	دقيقة
a biologist	عالم احياء	Wedding	حفل زفاف
looked it up	يبحث عن معلومة	dessert	حلوي
encyclopedia	موسوعة	nut	نوع من أنواع المكسرات (الجوز)
scientific studies	دراسات علمية	discovered	اكتشفت
online campaigns	حملات عبر الانترنت	experts	خبراء
local communities	المجتمعات المحلية	dangerous	خطير
healthier lives.	حياة أكثر صحة	reports	تقارير



What is the internet ?



It is a global network that connects millions of computers around the world.



The importance and uses of the internet

- ① You can access all kinds of information using internet.
- ② You can find answers for any questions quickly and easily.
- ③ You can collect information for researches.
- ④ Internet allows people to communicate with others.





Search engine



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It is a software application used to help people to find the information they search for online using Keywords



NOTES

Google

1 Google is the most popular search engine



2 You can type any question in the search engine and find an answer quickly and easily. 

3 It is important to check information you get is correct and accurate .





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Anika Ullah



She is a biologist.

- 1 She was at a wedding; and she tried a **dessert** made from an **unusual nut**.
- 2 She looked it up in an online encyclopedia.

She found **many Uses** for the nuts,

but, she also discovered that eating too many of these nuts causes cancer.

Anika Ullah



What did she do?





Mr. Osama Youssef

- ❶ She checked her online sources carefully, as she found scientific studies and reports written by experts.
- ❷ When she discovered these nuts could be dangerous, she decided to **talk to local communities** about the issue.
- ❸ She wanted people to use these nuts more safely, so she **made films** and **online campaigns** to help them to lead healthier lives.





ICT Lesson 2

**Online dangers
and
how to be safe?**





أهم الكلمات والمصطلحات

direct messages	رسائل مباشرة	Kind / unkind	مهدب / غير مهدب
instant messaging	رسائل فورية	unsure of	غير متأكد من
personal information	معلومات شخصية	unsafe scene	مشهد غير آمن (مشهد سيء)
be kind and honest	كن مهذباً وصادقاً	don't panic	لا تخاف (لا تُصاب بالذعر)
makes you feel unsafe	يجعلك تشعر بعدم الأمان	damage	يتلف
inappropriate site	موقع انترنت غير مناسب	trusted	موثوق به
track your information	يتتبع معلوماتك ويعرفها	spam messages	رسائل مزعجة
advertise products	يعلن عن منتجات	Gather information	يجمع معلومات
unfamiliar address	عنوان غير مألوف	unknown links	لينك غير معروف
privacy	الخصوصية	embarrass	يحرج



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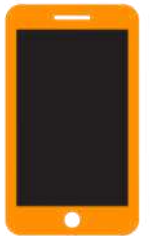


Online Communication

 People can **use** ways **computers**, **phones** and **tablets** to communicate online.

 People can communicate **through**:

- 1 instant messaging.
- 2 emails.
- 3 direct messages.



Be careful, Some people communicate online to be unkind or to steal your personal information.

Personal information

It includes your name, your address and your school name



Behavior Online



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Behave online, be **kind** and **honest** with others.



If someone is **unkind** or **makes you feel unsafe**,  **block** that person.




When you **block someone**, that person can't see your posts or contact you.



Unsafe Websites

1 Be careful when clicking on links.

 Don't click on links that you are unsure of.

2 If you view an unsafe scene or inappropriate site, **don't panic**.

Leave the site and **tell your teacher or a family member** who can help you.





Downloading files



When you are using the internet, you might want to download a file **to look at it later**, without being connected to the internet!



Think carefully before you download files because some files have **viruses**.



Viruses can **damage your computer** or be used to **track your information**.



Check the website before you download a file. Is it a trusted site?

If you are not sure, you **shouldn't download** files from it.

Download





Sharing data online



Don't share your **personal data** online without asking your teacher or a family member.



If you share your **personal data** online, you may receive **spam messages**.

spam messages:

💡 Spam mail includes unwanted messages to advertise products or gather more information from you, The messages may also include viruses.

💡 If an email includes an **unfamiliar address**, **unknown links**, or **messages in ALL CAPITAL LETTERS**, it might be a spam.





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Notes

- 1 Check your privacy settings on social media sites.
- 2 Make sure that only your friends and family can view your information.
- 3 Always think before you post something, especially a photo or video.
- 4 **Ask yourself:**
 - Am I sure this photo is appropriate?
 - Could this embarrass or hurt me or others?
 - Always think before you post about yourself or other people.





ICT

Lesson 3

**Using ICT tools
in
a healthy and ethical
way**






أهم الكلمات والمصطلحات

Posting Online	نشر موضوع علي الانترنت	identify person	يحدد شخص
tag someone	تشير الي شخص ما	provide	يمنح أو يزود
access to your account	الوصول الي حسابك علي الانترنت	ask permission	الحصول علي إذن
respect their privacy	تحتزم خصوصيتهم	include	يتضمن
looking for information	يبحث عن معلومة	Look for	يبحث عن
credit sources of information	توثيق مصادر المعلومات	Banned sites	مواقع محظورة
inaccurate	غير دقيق	respect the law	يحتزم القانون
Pros / cons	مزايا/ عيوب	a topic	موضوع
eye strain	اجهاد العين	Immoral	غير اخلاقي
headache	صداع	harmful	ضار
Ethically	أخلاقي	become lazy	يصبح كسول
be responsible	كن مسئول	wisely	بحكمة




Posting Online

 When you **tag** someone, you **identify** that person in a post, photo, or video.

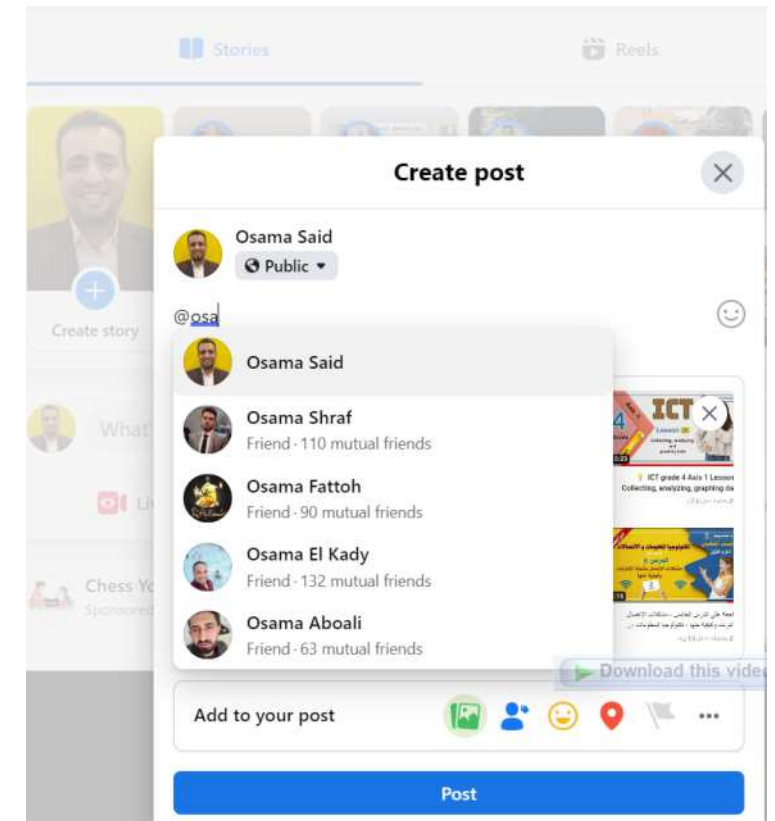
 The tag provides **a link** to the person's profile.
So, Anyone who has access to your account can see it



Note

 When you post on social media and tag your friends,
👉 make sure first, it is **OK** for them,
or **ask them permission**.

👉 It shows that you **respect their privacy**.





Crediting others



If you are looking for information to post online, or to include in a PowerPoint presentation.

☞ it's important to credit sources of information that you share with others.



Respecting the law



You should respect the law when you are posting online or searching for a topic.

- 1 Don't go on banned sites.
- 2 Ask your teacher or a family member before you go on a new site.



Banned sites may publish inaccurate, immoral, and harmful material.





The positive and negative effects of ICT tools



The positive effect: (Pros)

- 1 You can **read the news** with just a click of the mouse.
- 2 You can **upload** and **download** videos and photos and view them whenever you want
- 3 You can communicate with friends and family anywhere .





The positive and negative effects of ICT tools



The negative effect: (cons)

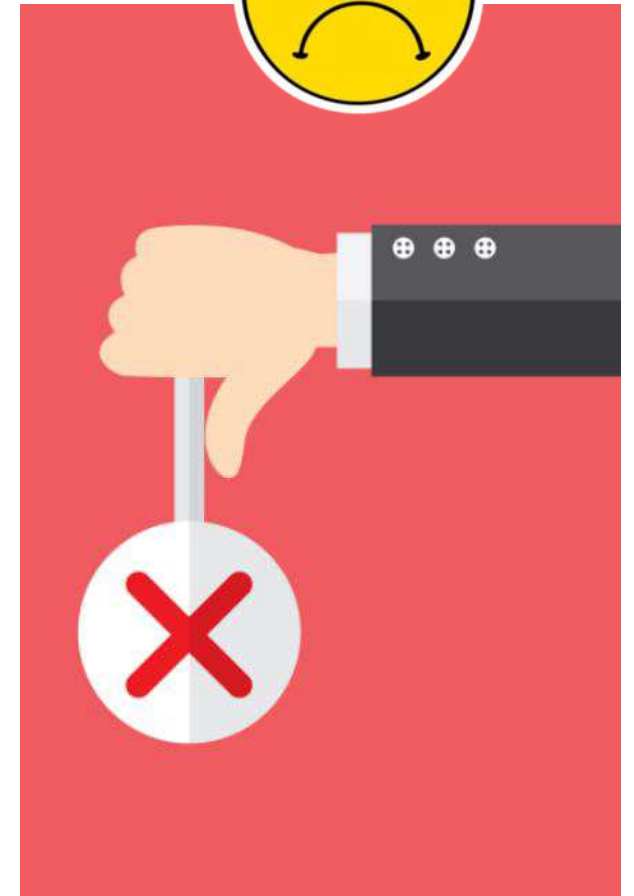
- 1 You may come across something online that upsets you.
- 2 You can get **eye strain** or **headaches** or **become lazy** from using your devices too long.
- 3 Some people may rely on searching on Google to answer all their questions even though **it doesn't always give the right answer!**



Remember to use ICT tools **wisely** and **ethically**.



Stay **active** and **social** and **be responsible**.





ICT

Lesson 4

How to search online





أهم الكلمات والمصطلحات

Searching safely	البحث بطريقة امنية	browser	متصفح الانترنت
warning message	رسالة تحذير	unsafe site	موقع غير امن
Do not proceed	لا تتابع (لا تتقدم وتدخل الموقع)	include	يتضمن - يشمل
parental control app	تطبيق للرقابة الأبوية	dangerous	خطير
safety tips for children	نصائح السلامة للأطفال	Searching smartly	البحث بذكاء
inappropriate content	محتوي غير مناسب	relevant	ذو صلة بالموضوع
age-appropriate	مناسب للعمر	a particular phrase	عبارة محددة
child-friendly websites	مواقع ملائمة للأطفال		



Searching safely



Choose **browsers** that warn users before they enter **an unsafe site** or download **a harmful app**.



If you get a warning message:

- 1 Make sure to show your **teacher** or a **family member**
- 2 Do not proceed to the site or with the download.



Some popular browsers have search engines set up just for children,

- 👉 They will only show **results** that are **age-appropriate**.
- 👉 They also include **a parental control app**.
- 👉 They also include helpful **safety tips for children**.





Watching videos online is fun but may be dangerous if:

- 1 The site you watch video on is **unsafe**.
- 2 The video shows **inappropriate content**.



Choose **child-friendly websites** that include filters to avoid clicking on **inappropriate videos**.



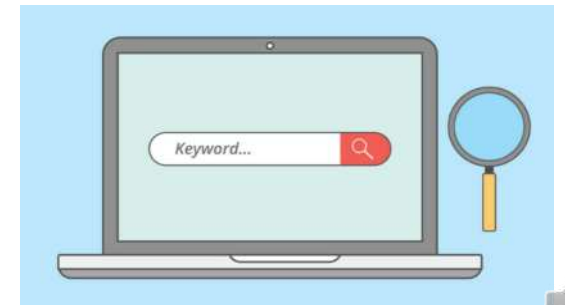
Searching smartly



To get better result, Type **longer phrases** not just a couple of words.



If the keywords you use are **general** and **popular**, you will get **many** results, **many of them** will be **not relevant** to your search topic.



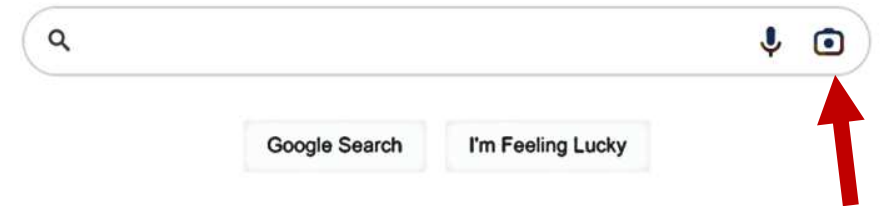


Search by image



If you are looking for information about an image

- 1 You can use the **image** instead of **words** in your search.
- 2 Use the camera button and add the image.
- 3 your teacher can help you.



Search using the signs (+),(-)

- 💡 Add **(+)** sign before **the word**: to include **the word** in your search.
- 💡 Add **(-)** sign before **the word**: to avoid **the word** in your search.
- 💡 Put **the phrase** inside quotation marks (" "): to search for a **particular** phrase.

